## INTERNATIONAL SEARCH REPORT

Intel I Application No PCT/IB2004/004184

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G11B7/125 G11B H01S3/23 G11B7/005 G02F3/02 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) G11B G02F IPC 7 H01S Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category ° Citation of document, with indication, where appropriate, of the relevant passages X PATENT ABSTRACTS OF JAPAN 1,3,4,6, vol. 2000, no. 26, 1 July 2002 (2002-07-01) -& JP 2001 242502 A (ATR ADAPTIVE COMMUNICATIONS RES LAB), 7 September 2001 (2001-09-07) abstract 2,7 Α GEORGE PAN Z ET AL: "OPTICAL INJECTION 1-4,6-8 X INDUCED POLARIZATION BISTABILITY IN VERTICAL-CAVITY SURFACE-EMITTING LASERS" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 63, no. 22, 29 November 1993 (1993-11-29), pages 2999-3001, XP000414956 ISSN: 0003-6951 5 Α lχ Patent family members are listed in annex. Further documents are listed in the continuation of box C. X Special categories of cited documents: \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention \*E\* earlier document but published on or after the international \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu- O' document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. other means document published prior to the international filing date but later than the priority date claimed \*&\* document member of the same patent family Date of the actual completion of the International search Date of mailing of the international search report 21/02/2005 14 February 2005 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Moje, A

## INTERNATIONAL SEARCH REPORT

Inte ial Application No
PCT/IB2004/004184

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °		Relevant to claim No.
Α	EP 0 332 446 A (BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY) 13 September 1989 (1989-09-13) abstract	1-8
A	US 6 314 122 B1 (PEALE DAVID REESE) 6 November 2001 (2001-11-06) abstract	1-8
A .	US 4 562 569 A (YARIV ET AL) 31 December 1985 (1985-12-31) abstract	1-8
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## INTERNATIONAL SEARCH REPORT

Information on patent family members

Inter al Application No PCT/IB2004/004184

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
JP 2001242502	Α	07-09-2001	NONE		
EP 0332446	Α	13-09-1989	AT	95644 T	15-10-1993
			AU	603295 B2	08-11-1990
			AU	3341289 A	05-10-1989
			CA	1309766 C	03-11-1992
			DE	68909642 D1	11-11-1993
			DE	68909642 T2	07-04-1994
			EP	0332446 A1	13-09-1989
			WO	8908937 A1	21-09-1989
			ΙE	61645 B1	16-11-1994
			JP	2503838 T	08-11-1990
			US	5012474 A	30-04-1991
US 6314122	B1	06-11-2001	NONE		
US 4562569	Α	31-12-1985	NONE		